

WHAT IS CLAIMED IS:

1. A vaccine comprising a polypeptide, including immunogenic fragments thereof, having an amino acid sequence at least 65% identical to the amino acid sequence of SEQ ID NO:8.

2. The vaccine of claim 1 wherein said amino acid sequence is at least 80% identical to the amino acid sequence of SEQ ID NO:8.

3. The vaccine of claim 1 wherein said amino acid sequence is at least 95% identical to the amino acid sequence of SEQ ID NO:8.

4. The vaccine of claim 1 wherein said amino acid sequence is identical to the amino acid sequence of SEQ ID NO:8.

5. An antiserum produced by immunizing an animal with a polypeptide selected from the group consisting of the polypeptides of claims 1, 2, 3, and 4.

6. An isolated antibody that binds specifically to a polypeptide selected from the group consisting of the polypeptides according to claims 1, 2, 3, and 4.

7. The antibody of claim 6 wherein the antibody is a monoclonal antibody.

8. An engineered cell producing a monoclonal antibody of claim 7.

9. An antiserum produced by immunizing an animal with the polypeptide of SEQ ID NO: 8.

10. An isolated recombinant antibody that binds specifically to a polypeptide selected from the group consisting of the polypeptides of claims 1, 2, 3, and 4.

11. A vaccine comprising :

a. one or more *S. pneumoniae* polypeptides selected from the group consisting of the polypeptides of claims 1, 2, 3, and 4; and

b. a pharmaceutically acceptable carrier;

5 wherein said polypeptide is present in an amount effective to elicit protective antibodies in an animal against an organism of the genus *Streptococcus*.

12. A method of preventing or attenuating an infection caused by a member of the genus *Streptococcus* in an animal, comprising administering to
10 said animal a polypeptide selected from the group consisting of the polypeptides of claims 1, 2, 3, and 4, and wherein said polypeptide is administered in an amount effective to prevent or attenuate said infection.

13. A method of preventing pneumococcal infection by administering to an
15 animal the vaccine according to claim 11.

14. A method of preventing or attenuating an infection caused by a member of the genus *Streptococcus* in an animal, comprising administering to
20 said animal an antibody of claim 6, wherein said antibody is administered in an amount effective to prevent or attenuate said infection.

15. A vaccine comprising a microbial organism transformed with polynucleotides, and thereby expressing the polypeptides, or fragments thereof, selected from the group consisting of Sp130.
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16. A method of preventing or attenuating an infection caused by a member of the genus *Streptococcus* in an animal, comprising administering to
30 said animal a vaccine according to claim 15, wherein said antibody is administered in an amount effective to prevent or attenuate said infection.

17. The vaccine according to claim 15, wherein said transformed

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